Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/18/2019 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124283	-1	2.61	124349	2.60
Blue	F	SSC	125000	124717	-1	1.80	125536	1.79
Blue	E	FITC	16433	15941	-3	2.71	347	19.90
Blue	D	PE	27595	27166	-2	1.87	592	14.68
Blue	B	PerCP-Cy5-5	43183	42639	-2	3.57	1150	19.57
Blue	A	PE-Cy7	31943	32168	0	5.81	617	39.32
Red	C	APC	42819	42255	-2	2.46	1492	12.06
Red	A	APC-Cy7	31261	30353	-3	2.35	804	11.84
Violet	B	V450	6527	6263	-5	3.94	351	13.44
Violet	A	V500	24533	23391	-5	3.63	545	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17808	12.74	609	9	N/A	N/A	Pass
Blue	F	SSC	56769	1.28	553	5	N/A	N/A	Pass
Blue	E	FITC	63	63.54	538	-1	0.0203	115	Pass
Blue	D	PE	123	48.82	535	1	0.1571	238	Pass
Blue	B	PerCP-Cy5-5	213	48.03	646	4	0.0098	65	Pass
Blue	A	PE-Cy7	117	96.94	695	6	0.0117	18	Pass
Red	C	APC	356	25.20	581	-2	0.0249	163	Pass
Red	A	APC-Cy7	178	28.66	560	-3	0.0057	1086	Pass
Violet	B	V450	53	59.87	447	-8	0.0432	1641	Pass
Violet	A	V500	82	31.51	458	-9	0.0219	416	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.92	-32.11	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.10	13.60 - 20.40	N/A	N/A	29.40	30.14	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11468

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments